Jan. 3, 1956 T. E. ALLEN 2,728,923

CORNER LOCK FOR BEDSTEADS

Filed April 17, 1953

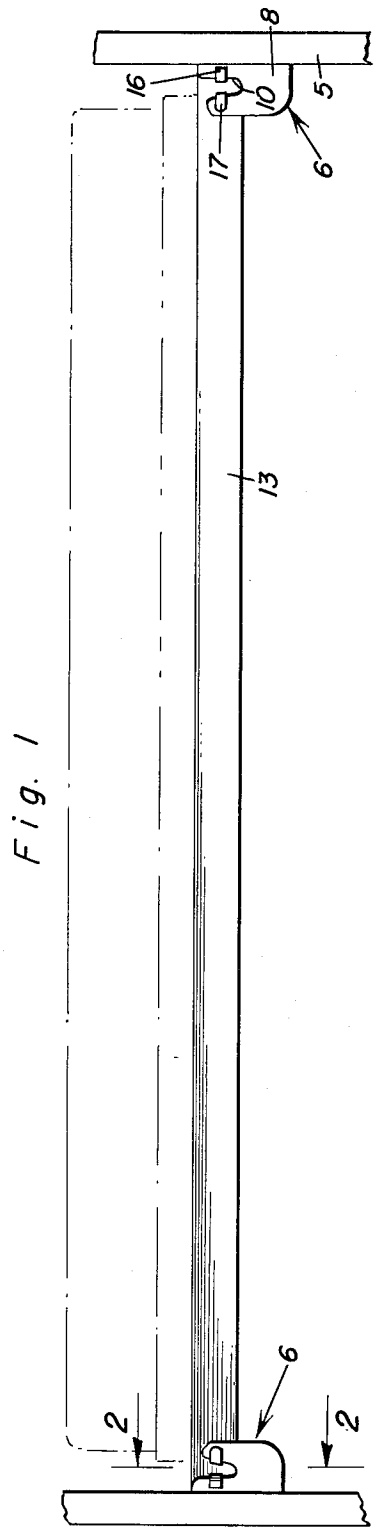


Fig. 1

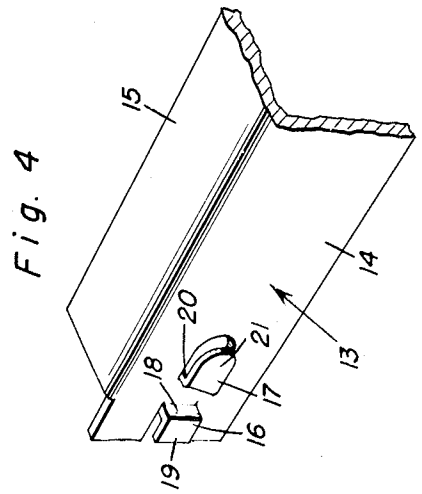


Fig. 4

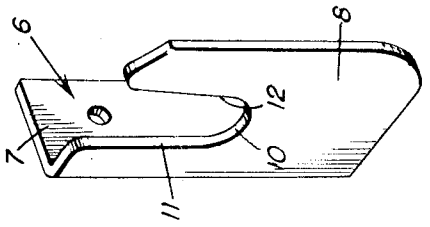


Fig. 3

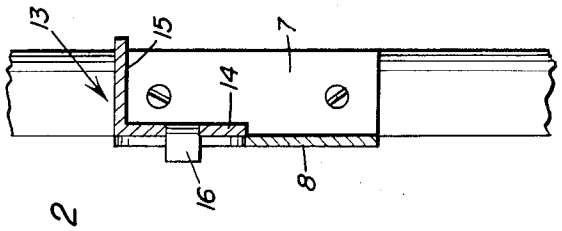


Fig. 2

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CORNER LOCK FOR BEDSTEADS

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Application April 17, 1953, Serial No. 349,354

1 Claim. (Cl. 5—294)

The present invention relates to new and useful improvements in corner locks for locking the rails of a bedstead to the corner posts thereof.

An important object of the invention is to provide a corner lock of this character wherein a bracket is attached to each corner post and formed with a V-shaped notch in which a pair of locking tongues carried by the rail are adapted to enter and constructed in a manner to tighten the rail with respect to the corner post by the weight of the rail and the load supported thereby.

Another object is to provide a device of this character of simple and practical construction, which is strong and durable, efficient and reliable in use, relatively inexpensive to manufacture and otherwise well adapted for the purpose for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view;

Figure 2 is an enlarged vertical sectional view taken on line 2—2 of Figure 1;

Figure 3 is a perspective view of the rail supporting bracket; and,

Figure 4 is a fragmentary perspective view of one end of the rail and showing the locking tongues carried thereby.

Referring now to the drawing in detail wherein for the purpose of illustration, I have disclosed a preferred embodiment of the invention, the numeral **5** designates one of the corner posts of a bedstead and to which a bracket designated generally at **6** is secured, the bracket being constructed of a vertical post-attaching flange **7**, and a vertical rail-supporting flange **8** projecting at right angles to flange **7** and outwardly with respect to the post **5**.

The upper edge of flange **8** is formed with a substantially V-shaped notch **10** and with one edge **11** of the notch positioned substantially perpendicularly and parallel to post **5**, while the opposite or opposed edge **12** of the notch is inclined outwardly with respect to the post.

The metal bed rail is designated at **13** and is of angle construction to provide a vertical flange **14** and a horizontal flange **15**.

Each end portion of the rail is provided with a pair of locking tongues **16** and **17** which project outwardly from the vertical flange **14** of the rail, the locking tongue **16** including a flat shank portion **18** which projects outwardly from the side of flange **14** of the rail and a flange

portion **19** which is bent at right angles with respect to the shank portion **18** thereof. Locking tongue **17** likewise includes a flat shank portion **20** which projects outwardly from the side of rail **13** and a flange portion **21** which is bent at right angles to the shank portion **20** and the flange portions **19** and **21** of the pair of locking tongues are positioned parallel to and spaced outwardly from the rail **13** and project oppositely or away from each other, and shown more clearly in Figure 4 of the drawing.

The shank portion **18** of locking tongue **16** is positioned perpendicularly while the shank portion **20** of locking tongue **17** is inclined in an upwardly diverging relation with respect to shank portion **18**.

The notch **10** of bracket **6** is adapted to receive the locking tongues **16** and **17** of the rail **13** and with the vertical edge **11** of the notch engaged in the tongue **16** with limited freedom while inclined shank portion **20** of locking tongue **17** rides against the inclined edge **12** of the notch. By reason of this construction, as the locking tongues ride downwardly in the notch **10**, the inclined shank **20** riding against the inclined edge **12** of the notch will serve to draw the end of rail **13** toward the adjacent post **5** within the range of movement permitted by the freedom of tongue **16** so that the end portion of the rail will bear tightly against the post-attaching flange **7** of the bracket **6** and thus tightly lock the rail to the bedstead.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is as follows:

A corner lock for bedsteads comprising in combination a corner bracket including a vertical attaching flange and a rail supporting flange at right angles to the attaching flange, said rail supporting flange having a substantially V-shaped notch in its upper edge and said notch being formed with an inwardly disposed edge parallel to the attaching flange and an outwardly inclined outwardly disposed edge, and a bed rail having a pair of locking tongues projecting therefrom, said tongues including shank portions adapted to enter said notch and oppositely extending flange portions at right angles to the respective shank portions and spaced outwardly from the rail and locked at the outer surface of the rail supporting flange, one of said shank portions of the locking tongues being inclined parallel to and positioned to ride against the inclined edge of the notch to force the rail longitudinally toward the attaching flange to bind both tongues in the notch by a downward inserting engagement of the tongues therewith.

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